Listing of Claims

1. (currently amended) A projection type display unit, comprising,

at least one LCOS imager comprising an array of pixels individually controllable in accordance with a video signal to form an image by passing red, green and blue light through said pixels;

at least one red, at least one green, and at least one blue resonant microcavity cathode-ray tube optically coupled to said LCOS imager and emitting, respectively, said red, said green and said blue light, to produce said image; and

a projector lens optically coupled to said LCOS imager for magnifying and focusing said image for projection on a screen.

2. (cancelled)

3. (currently amended) The projection display unit according to claim 1 wherein

three said LCOS imagers are provided, and

each of said microcavity cathode-ray tube being CRT devices coupled to a corresponding respective one of said LCOS imagers to produce three distinct color images.

4. (cancelled)

5. (currently amended) The projection display unit according to claim 3 further comprising

an optical combiner, said optical combiner merging each of said distinct color images to form a single composite image,

at least one electron emitter in the resonant microcavity cathode-ray tubes, and,

electron beams from the electron emitters, the electron beams being diffuse such that the resonant microcavity cathode-ray tubes do not form an image directly.

6-8. (cancelled)

9. (currently amended) A method for displaying an image, comprising,

providing three CRT resonant microcavities configured for emitting red, green and blue **color** light, respectively;

projecting said **color** red, green and blue light through cells of an LCOS imager, each cell comprising a pixels of ~~an~~ **said** image, each pixel individually controllable by video signal, thereby producing ~~an~~ **said** image; and

magnifying and focusing said image through a lens for projection on a screen.

10. (currently amended) The method according to claim 9 further comprising ~~the steps of~~:

providing three LCOS imagers, one for each said color light, each imager producing a distinct color image; and

optically combining said **distinct color images from at least two said LCOS imagers to form said image** ~~image produced with said light of said selected color with at least one other image of a second selected color distinct from said first selected color~~.

11. (cancelled)